



MODEL NUMBER

CHRYSLER AIRBAG STEERING WHEEL REPLACEMENT PROCEDURES

Congratulations on the purchase of your new **GRANT REVOLUTION** steering wheel. This wheel is a direct replacement for your original factory steering wheel with or without spoke mounted control switches. The original airbag (SIR) module, wiring harness, trim/switches and rear shroud from the factory wheel must be removed and transferred to the new **GRANT** wheel.

This wheel will fit the following vehicles:

Dodge Full Size Ram Pickups 2004-2008

Dodge Durango and Dakota 2004-2010

IMPORTANT - PLEASE READ

These **GRANT** Instructions use the factory shop manual procedures for the removal and reinstallation of the steering wheel and airbag module. In addition the **GRANT** instructions include step-by- step procedures for the changeover of the switches, wiring and trim pieces from the factory wheel to the **Grant** wheel. Before proceeding with the replacement of your original steering wheel, it is necessary to read and understand all these instructions. By reading them first, you can become familiar with the steps and terminology used. Please take note of the following directives used throughout these instructions:

ALWAYS **CAUTION** **NEVER** **NOTICE** **NOTE**

NOTICE - **GRANT** recommends that installation be performed by a qualified service provider such as your local Mopar dealer, a certified mechanic, collision repair shop or a local airbag service center. Many of these service centers will come to your home or place of business to change out the air bag and wheel for a nominal fee. To find these providers check the internet for "airbag service", "mobile airbag service" or check the yellow pages.

CAUTION

ALWAYS WEAR SAFETY GLASSES WHEN REPAIRING OR HANDLING AN AIR BAG.

ALWAYS CARRY A LIVE AIR BAG MODULE WITH THE TRIM COVER POINTED AWAY FROM YOUR BODY.

ALWAYS PLACE A LIVE AIR BAG MODULE ON A BENCH OR OTHER SURFACE WITH THE TRIM COVER FACING UP.

NEVER PROBE THE CONNECTORS ON THE AIR BAG MODULE.

AIR BAG MODULES WITH DISCOLORED OR DAMAGED COVERS OR DEPLOYMENT DOORS MUST BE REPLACED, NOT REPAINTED.

Tools required: Socket Set
Torque Wrench
Phillips Screw Driver

Safety Glasses
10mm Allen Wrench

DISABLING AND REMOVAL OF THE AIRBAG MODULE

1. Write down all of your radio presets as these will be lost when you disconnect the battery cable. Turn the ignition key to unlock the column, if your vehicle has a telescopic column extend all the way out and lock in place.
2. **NOTICE** - Disconnect and isolate the negative battery cable and wait at least **2 full minutes** for the circuit to completely discharge before proceeding. **CAUTION:** Failure to fully deplete the backup power supply could result in an accidental deployment and possible injury.
3. From behind the wheel (you may have to turn the wheel to the left and right slightly to access the screws) remove the two screws (3) holding the airbag module (1) to the wheel (2) with a 10mm socket. See Illustration 1.

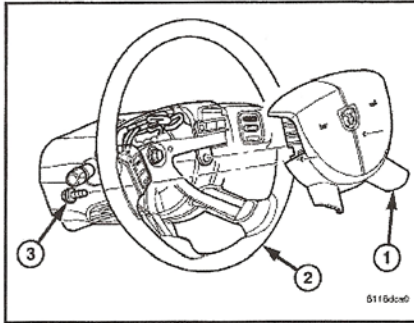


Illustration 1

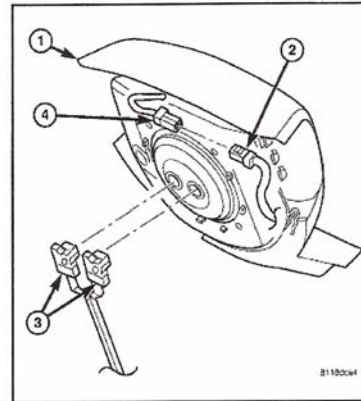


Illustration 2

4. **Carefully** pull the airbag module rearward away from the steering wheel just far enough to disconnect the wires from the back of the module (see Illustration 2 above). **Do not pull on the clockspring wires or pry on the connector insulator to disengage the connector from the receptacle on the clockspring. Improper removal of these pigtail wires can result in damage to the airbag circuits or connector insulators. Do not turn the clockspring mechanism now or at any time during the installation.** Disconnect the 2 airbag squib connectors by squeezing and pulling them straight away from the airbag inflator (number 3) and then disconnect the horn connector (number 4) from the airbag module.
5. Remove the airbag module completely from the wheel and place the module face up on the floor, seat or workbench. If you carry the module make sure the trim cover is pointed AWAY from your body.

REMOVING ORIGINAL STEERING WHEEL FROM THE VEHICLE

1. Position the steering wheel so that it is pointed straight ahead. Loosen the steering wheel retainer bolt several turns but leave the bolt in the column. Install a steering wheel puller (number 2) as shown in Illustration 3 below and loosen the wheel on the shaft per the puller directions using the center bolt to push against. Remove the puller, then the center bolt and pull the steering wheel up to separate it from the shaft.

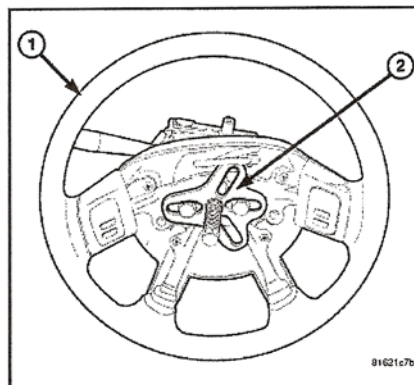


Illustration 3

2. Taking care to not pull on any of the wiring coming out of the column; simply feed the wires back thru the hole in the wheel and remove the wheel from the column. Again, do not turn the plastic clockspring mechanism now or at any time during the installation.
3. Take the wheel to a work bench as you will need to transfer a number of components from the original wheel to your new *Grant* wheel.

REMOVING COMPONENTS FROM ORIGINAL WHEEL

1. If your wheel has the plastic filler sections on the upper spokes with no switches in them proceed to step 2. If your wheel has switches, disconnect the wiring at each switch then proceed to step 2.
2. Remove the Phillips head screw holding the plastic filler or switch housing to the wheel and pull the housing up and out of the wheel. Repeat for the other side.
3. Remove the Phillips screws holding the rear wheel shroud and remove the shroud and the wiring harness from the wheel.

PREPARING NEW WHEEL FOR INSTALLATION

1. Transfer the rear shroud with the wiring harness to the new wheel locating these just as they were on the original wheel. Reinstall the Phillips head screws securing this assembly to the wheel.
2. Transfer the plastic filler or switch housings to the new wheel and install. Secure with the Phillips head screws. If you have switches, reconnect the wiring going to each switch.

INSTALLING NEW STEERING WHEEL

1. Position the new wheel onto the shaft making sure all the wiring feeds through the hole in the center of the wheel as before (there is only one way to install the wheel so you cannot get it on crooked).
2. Tighten the steering wheel retaining bolt and torque securely to 61 N-m (45 lb/ft). You can re-use the original bolt up to 5 times without having to apply more thread locking compound.
3. Position the airbag module near the wheel and connect the 2 airbag squib connections (these are color coded so you cannot get them on incorrectly. Just match the color and push straight down until you hear them click into place. Make sure you hear the distinct audible click as the connector seats as this ensures the connectors are fully engaged and locked onto the airbag module.
4. Reconnect the horn wire lead and position the airbag module into the wheel making sure the clockspring pigtail wires and the wheel wire harness are not pinched between the airbag and the wheel armature. Reinstall the 2 10mm hex head airbag mounting screws into the back of the wheel and tighten to 10 N-m (90 in/lbs).
6. Reconnect the negative battery cable.

Remember to reset your radio station presets and clock and enjoy your new **GRANT REVOLUTION** steering wheel. When you first start the vehicle the engine may run less smoothly than before as the computer will have to reset itself due to the power loss but this will just take a moment or two.

If you need further assistance contact **GRANT** Technical Service Support at:

Phone (626) 305-0700

Fax (626) 305-0799

Email: customerservice@grantproducts.com

Support Hours are 8:00AM to 5:00PM Pacific Time
Monday through Friday



OUR LIMITED WARRANTY

We warrant this product for ninety (90) days from the date of original purchase to be free from defects in materials and workmanship. If, during this period, the product fails under normal usage because of a manufacturing defect, then we will replace or repair the item. To obtain repair or replacement under the terms of this warranty, notify us at 615 Elca Lane, Suite C, Brownsville, TX 78521. Proof of purchase and date of purchase are required to validate warranty.

All implied warranties, including warranty of merchantability, are limited to this same ninety-day period from date of original purchase. We are not liable for any direct or consequential loss of property damage arising from any use of this product. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Offer good in U.S.A. and Canada only.

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On the Web: www.grantproducts.com